

P12 (XZ, YZ, Z2)

ONE FIELD

P10 (X0, Y0, Z0)

P11 (X1, Y1, Z1)

FIG. 2 (B)

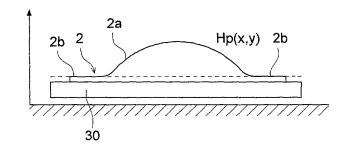
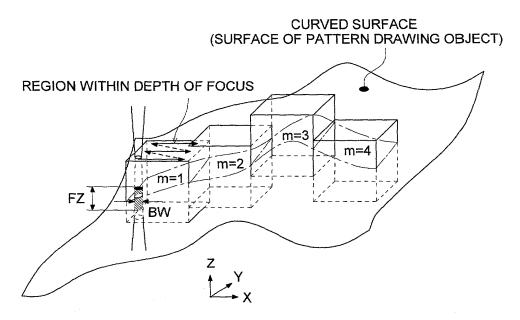
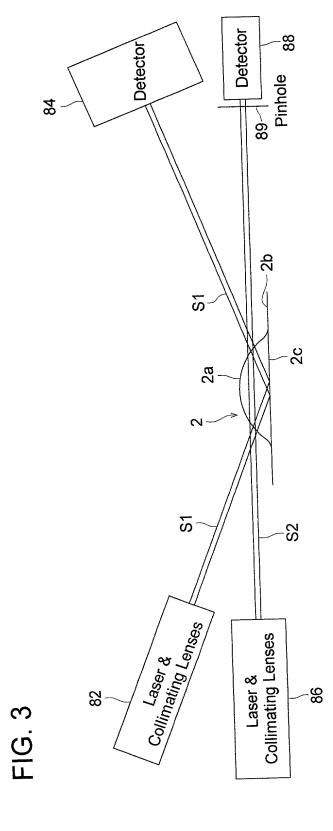


FIG.2(C)





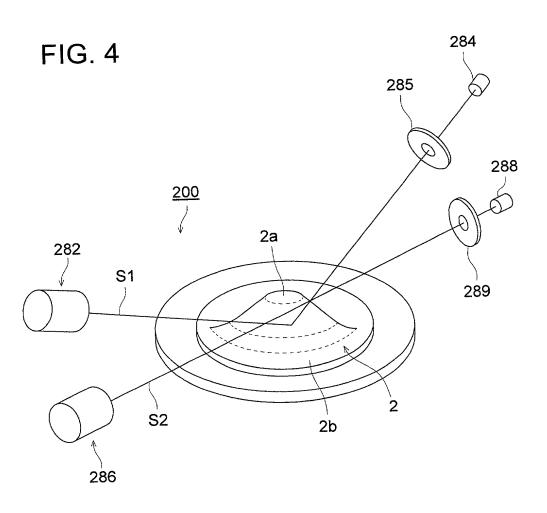


FIG. 5 (A)

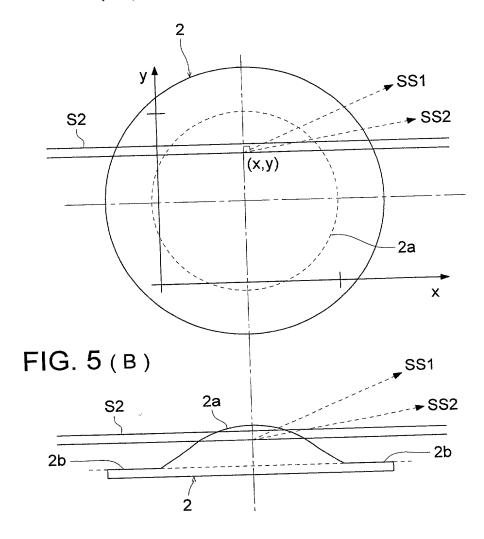


FIG. 5 (C)

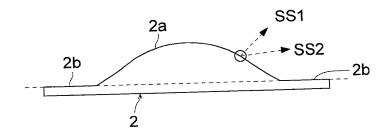


FIG. 6

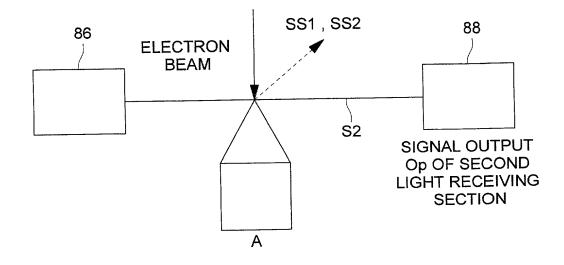
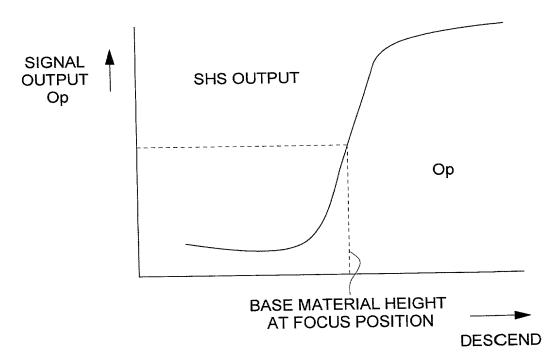


FIG. 7





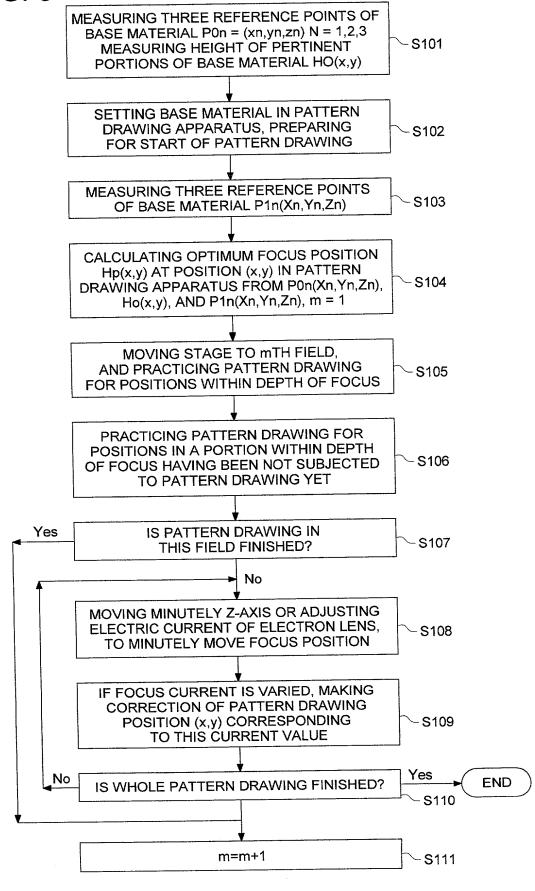
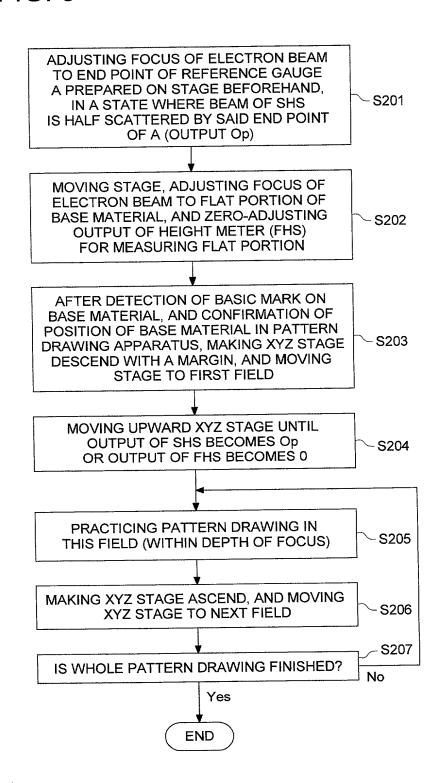
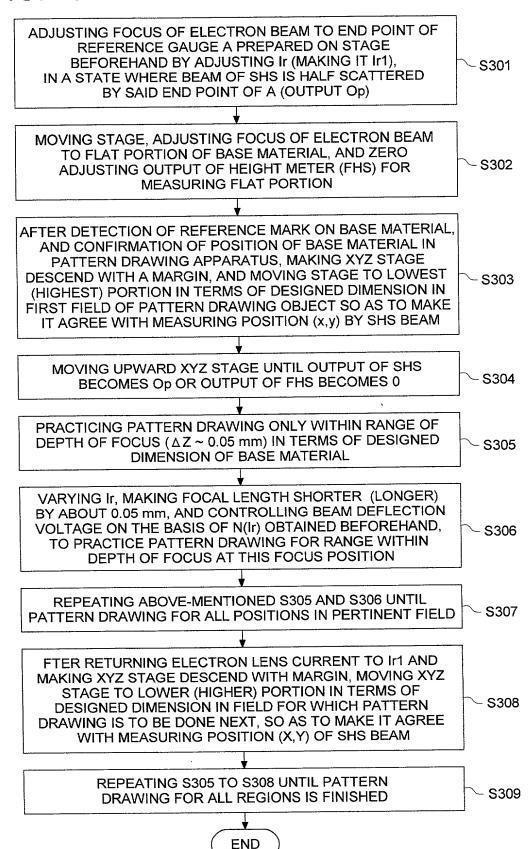
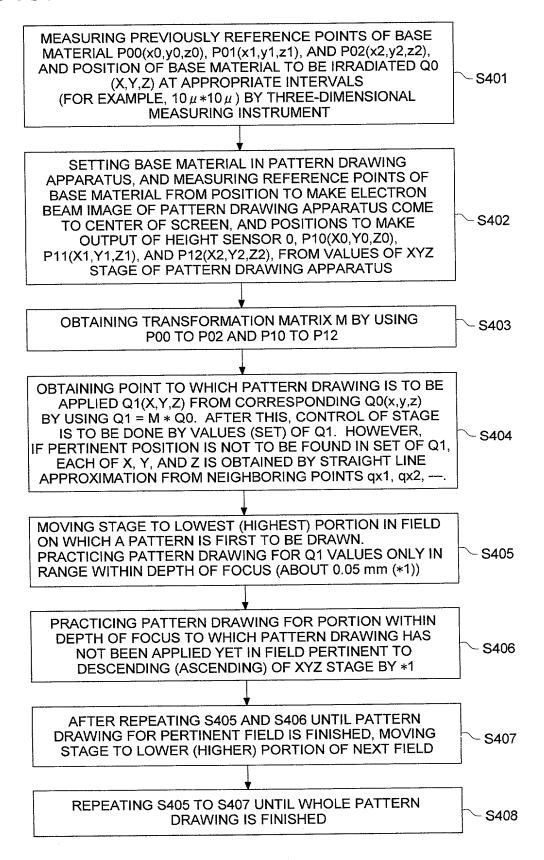


FIG. 9







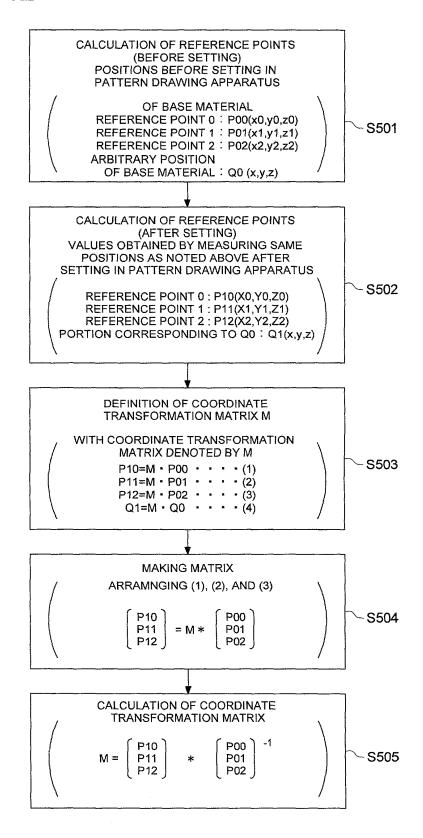


FIG. 13 (A)

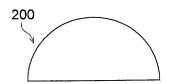


FIG. 13 (B)

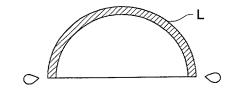


FIG. 13(C)

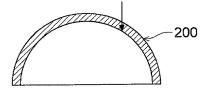


FIG. 13 (D)



FIG. 13 (E)

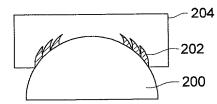


FIG. 13 (F)

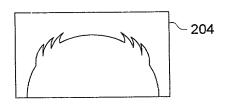


FIG. 14

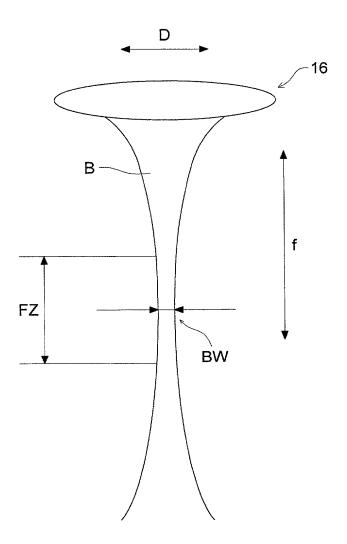


FIG. 15

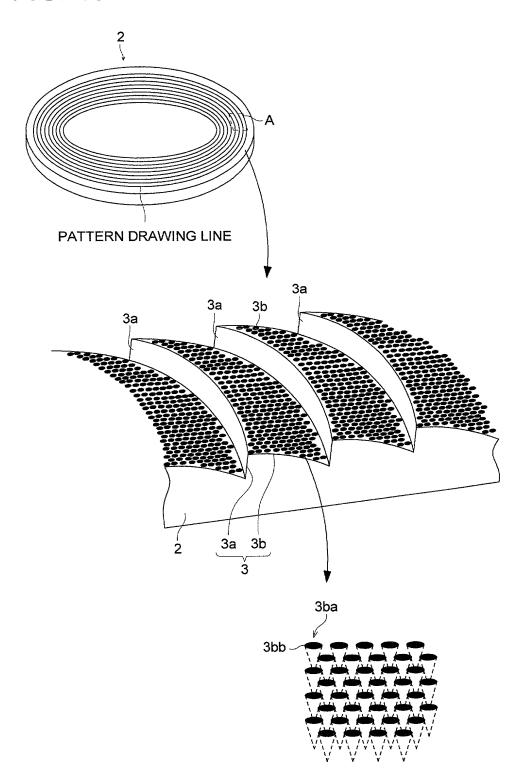


FIG. 16

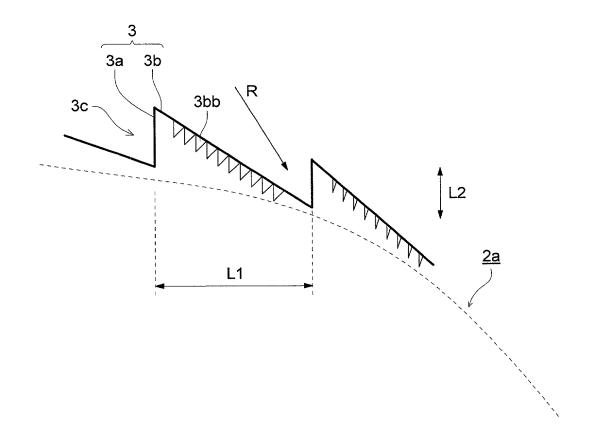


FIG. 17

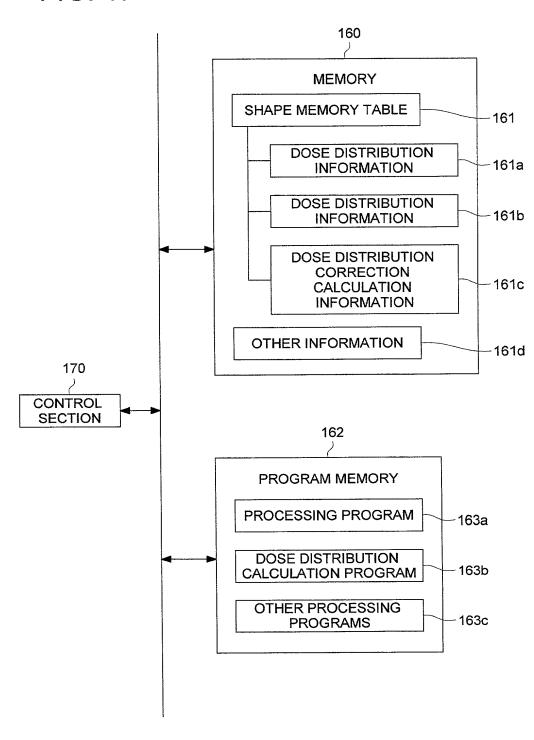


FIG. 18

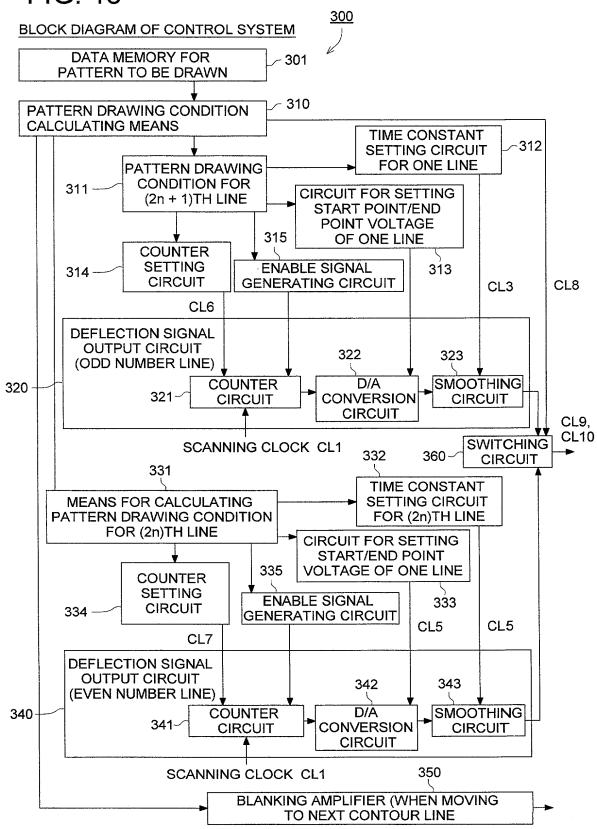


FIG. 19

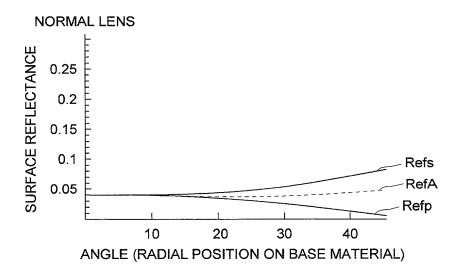


FIG. 20

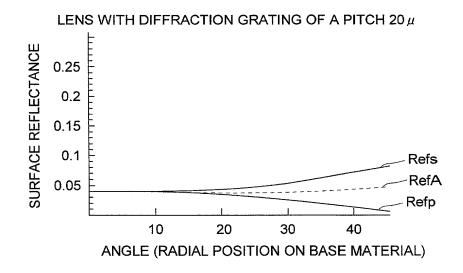


FIG. 21

LENS HAVING A DIFFRACTION GRATING OF A PITCH 3 $\,\mu$

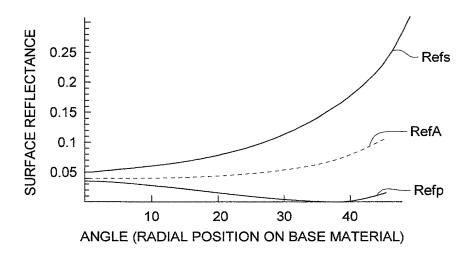
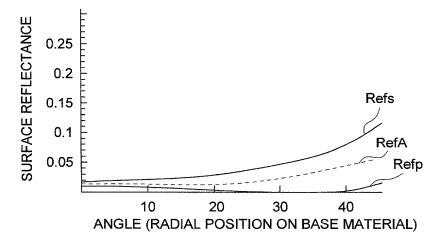
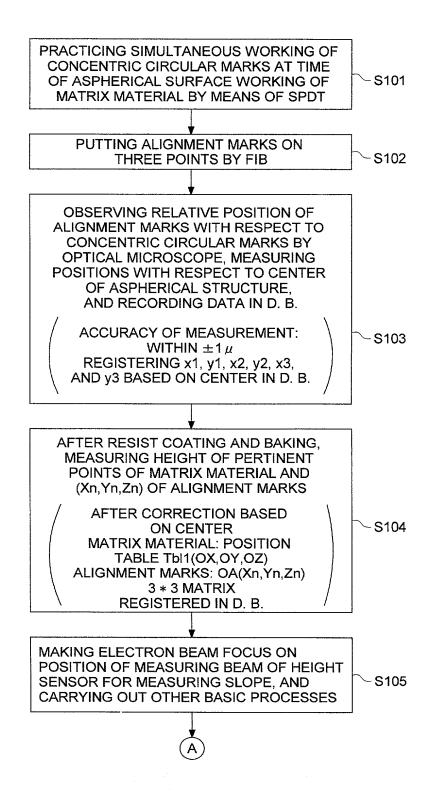


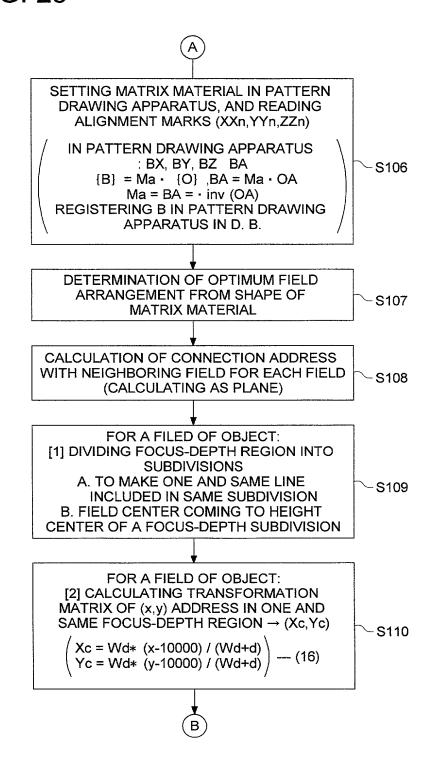
FIG. 22

LENS HAVING A DIFFRACTION GRATING (3 μ) PROVIDED WITH A REFLECTION REDUCING STRUCTURE AREA RATIO OF NON-CLUSTER PORTION: 70%



```
n2:=1.5 (*REFRACTIVE INDEX*)
s := 0.7
             (*AREA RATIO OF NON-CLUSTER PORTION*)
n1 := n2* \sqrt{S}
\beta : = 20
             (*BLAZE ANGLE OF DIFFRACTION GRATING*)
\psi := (\text{org } \psi + \beta) *3.141592 / 180 ---- (11)
\chi: = ArcSin[ \frac{\text{Sin}[\psi]}{\text{n1}} ] (*REFRACTIVE INDEX*) -- (12)
                                                                                ~ S11
Refp : = \frac{(\mathsf{Tan} [\psi - \mathsf{x}])^2}{}
                                     --- (13)
            (Sin [\psi - x])^2
Refs:=
            (Sin [\psi + x])^2
            Refp + Refs
RefA : = -
                                      --- (15)
                  2
s:=1
            (*NORMAL*)
\beta := 0
                                                                                                  ~ $12
Plot { \{\text{Refs, Refp, RefA}\} , \{\text{org}\,\psi, 0.45\} , \{\text{PlotRange}\rightarrow\{0.0.3\} ,
s:=1
            (*LENS HAVING A DIFFRACTION GRATING OF A PITCH 20 \mu *)
\beta := 3
                                                                                                    -S13
Plot { \{\text{Refs, Refp, RefA}\} , \{\text{org}\,\psi\,,\,\text{0.45}\} , \{\text{PlotRange}{\rightarrow}\,\{\text{0.0.3}\} ,
            (*LENS HAVING A DIFFRACTION GRATING OF A PITCH 3 \mu *)
s:=1
\beta: = 20
                                                                                                    -S14
Plot { \{\text{Refs, Refp, RefA}\} , \{\text{org}\,\psi, 0.45\} , \{\text{PlotRange} \rightarrow \{0,0.3\} ,
s := 0.7
              (*LENS HAVING A DIFFRACTION GRATING OF A PITCH 3 \mu
              PROVIDED WITH A SURFACE REFLECTION REDUCING
\beta: = 20
              STRUCTURE*)
                                                                                                     S15
Plot { \{\text{Refs, Refp, RefA}\} , \{\text{org}\,\psi, 0.45} , \{\text{PlotRange} \rightarrow \{0,0.3\} ,
```





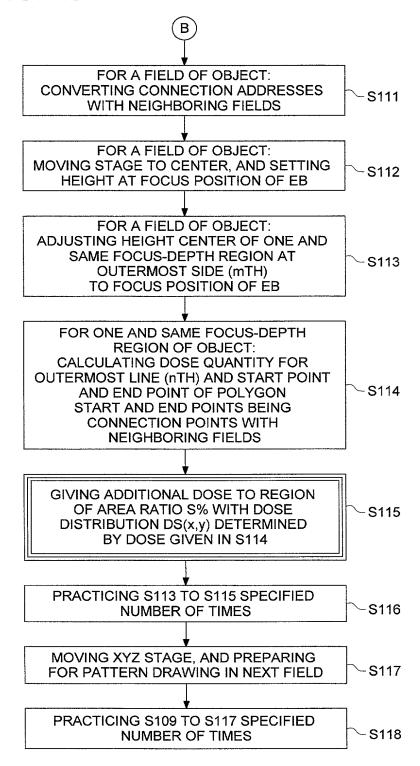


FIG. 27 (A)

PATTERN TO BE DRAWN

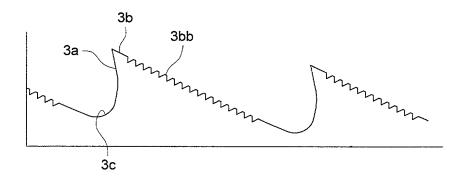


FIG. 27 (B)

DOSE DISTRIBUTION

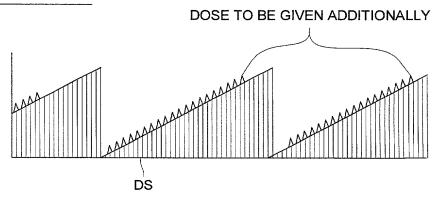


FIG. 28 (A)

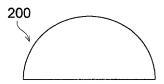


FIG. 28 (B)

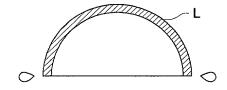


FIG. 28 (C)

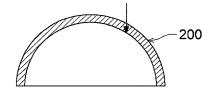


FIG. 28 (D)

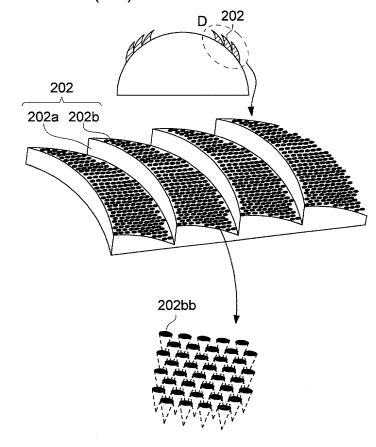


FIG. 29 (A)

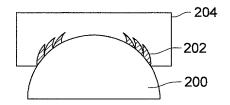


FIG. 29 (B)

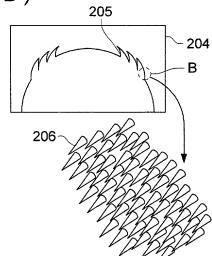


FIG. 29 (C)

210

212a 212b

213

FIG. 30

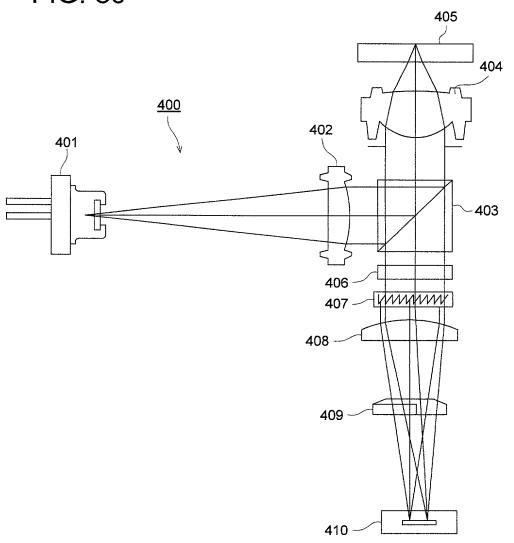


FIG. 31

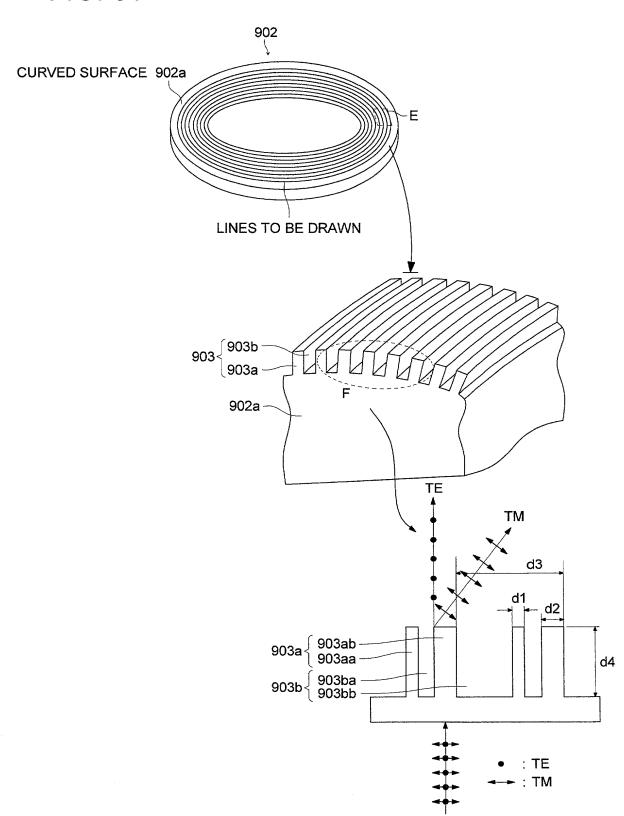
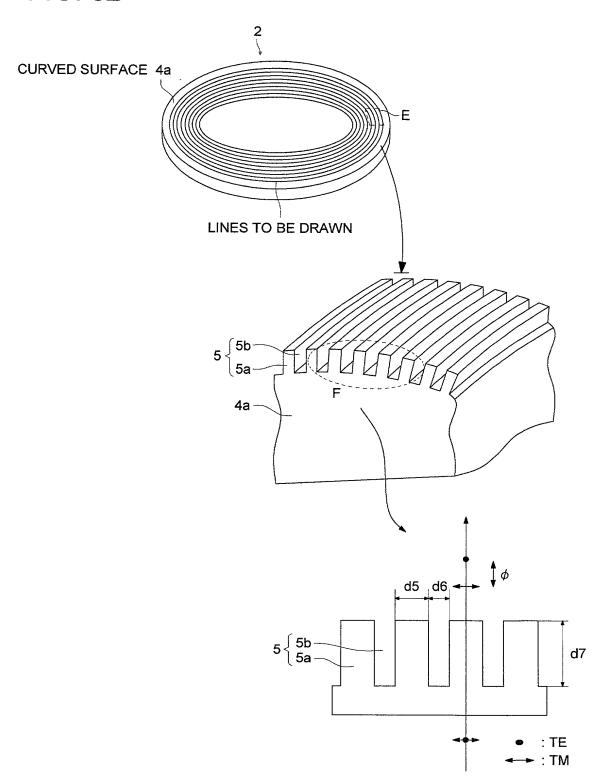


FIG. 32



LIGHT DETECTOR SE

904m 8 ¥ ≓ 902m OA 외/ LAZER La

FIG. 33

FIG. 34 (A)

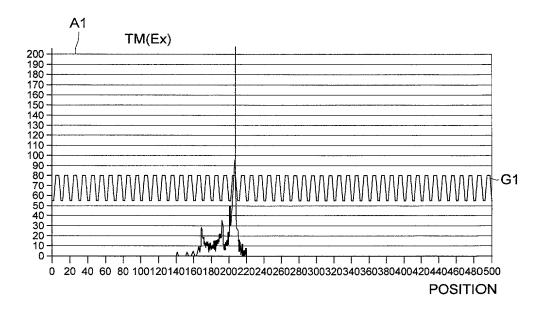


FIG. 34 (B)

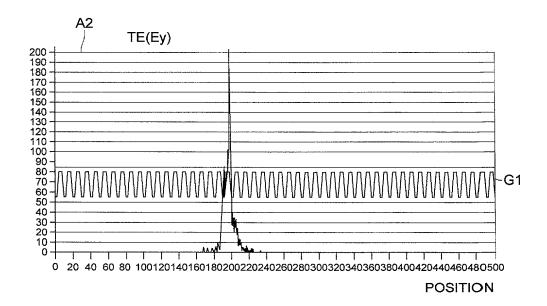


FIG. 35 (A)

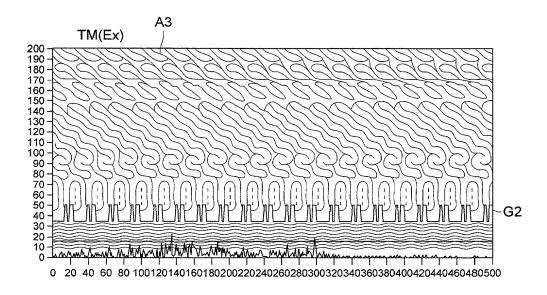
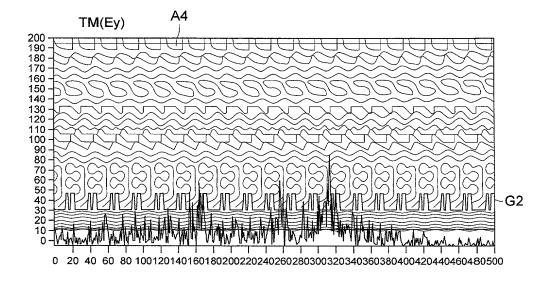


FIG. 35 (B)





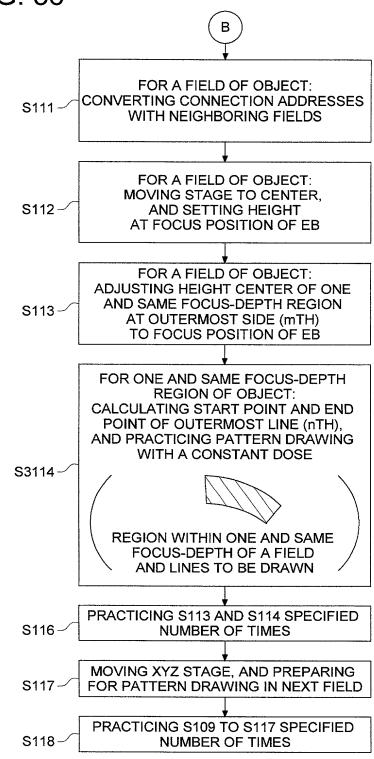


FIG. 37 (A)

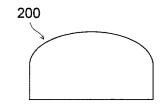


FIG. 37 (B)

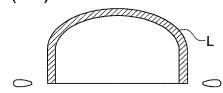
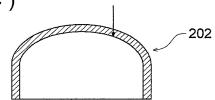
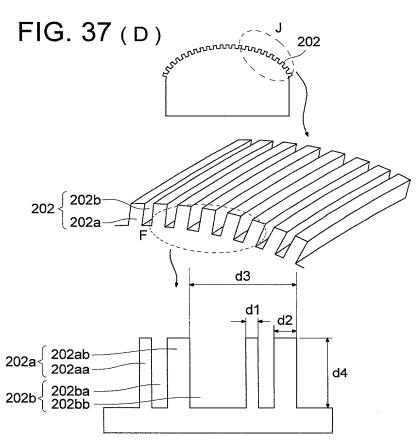


FIG. 37 (c)





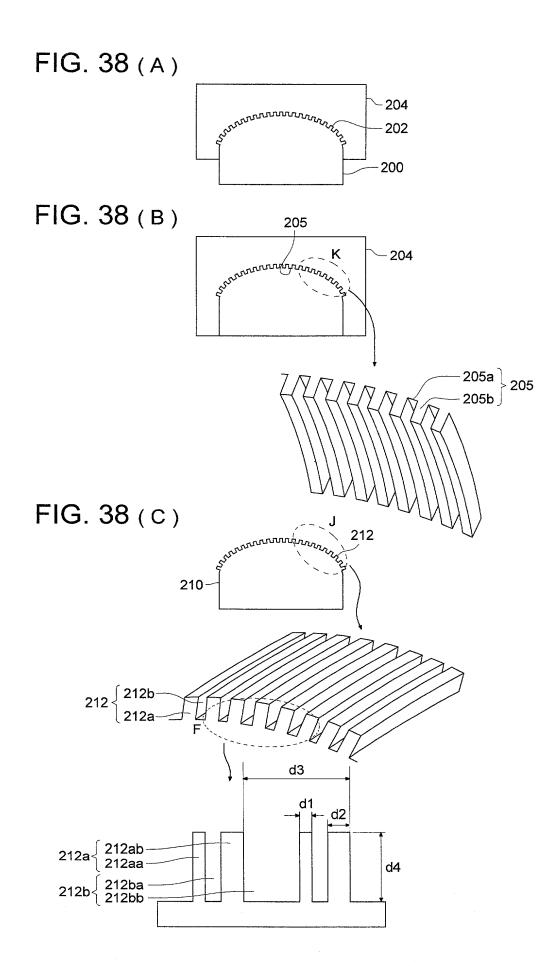


FIG. 39 (A)

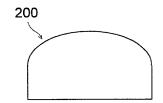


FIG. 39 (B)

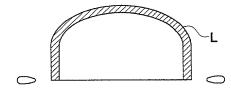


FIG. 39 (C)

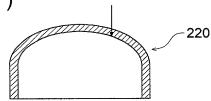


FIG. 39 (D)

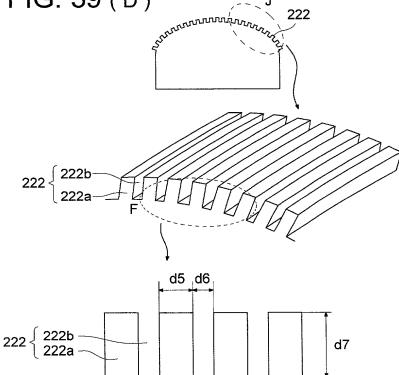
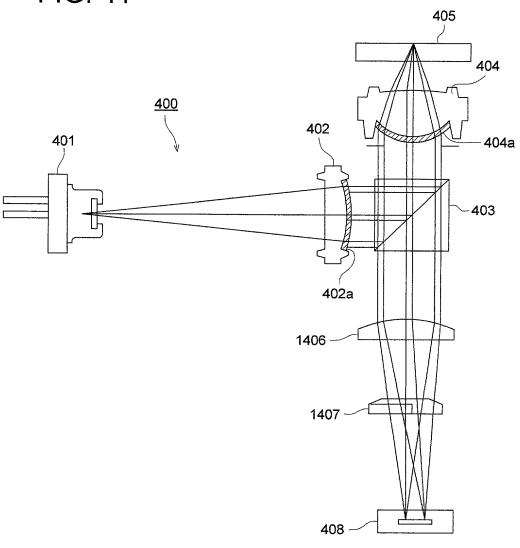


FIG. 40 (A) 224 222 220 FIG. 40 (B) 225 - 224 225a } 225 225b FIG. 40 (C) 242 240 d5 ,d6 d7

FIG. 41



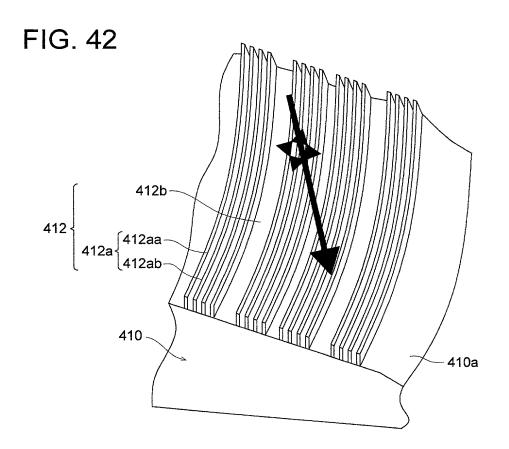


FIG. 43

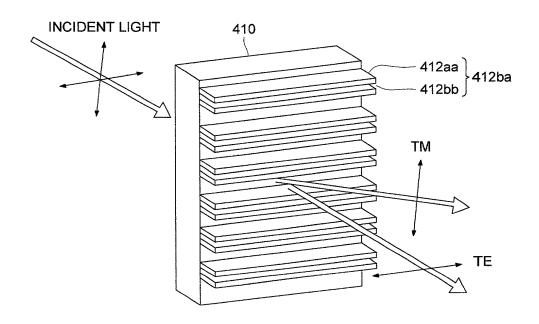


FIG. 44

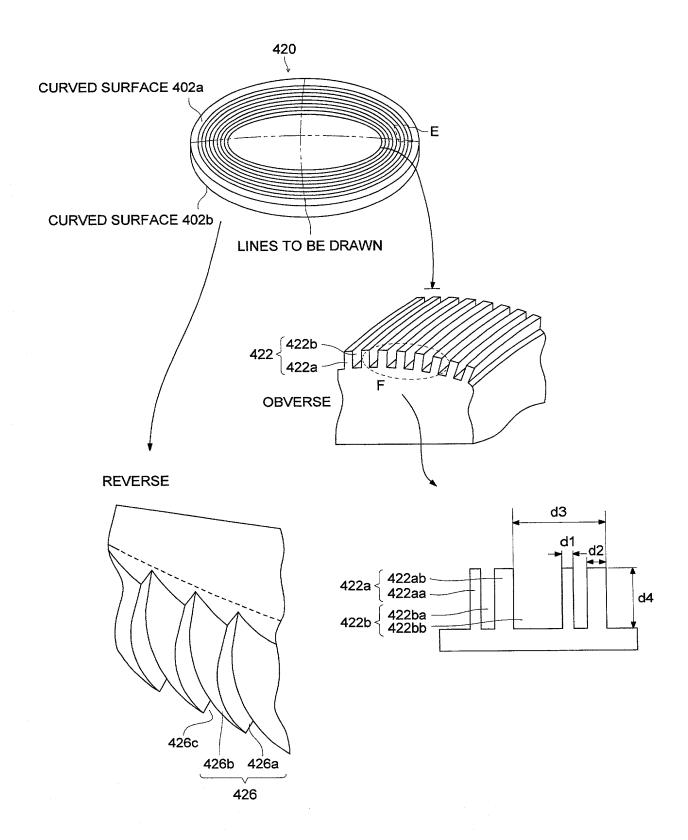


FIG. 45 (A)

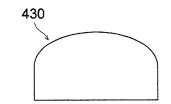


FIG. 45 (B)

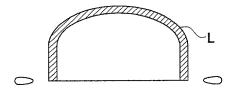


FIG. 45 (C)

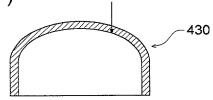
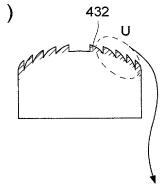


FIG. 45 (D)



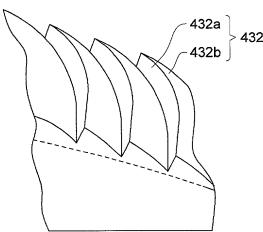


FIG. 46 (A)

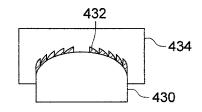


FIG. 46 (B)

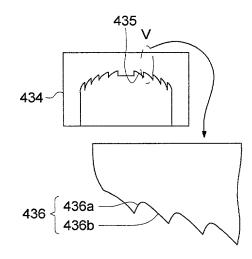


FIG. 46 (C)

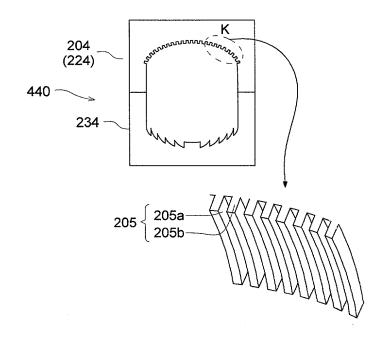


FIG. 47

